What is claimed is:

1. A capacitor discharge ignition device comprising:

a capacitor that is charged by a power source and stores charge to produce ignition energy;

ignition coils that receive charge released from the capacitor on a primary side and generate a high voltage on a secondary side;

a switching element for causing the capacitor to release the charge stored therein to the ignition coils;

ignition timing control means that receives a signal corresponding to a crank angle of an internal combustion engine and supplies an ignition signal to the switching element; and

circuit abnormality detecting means that receives a signal from the ignition timing control means, sets a capacitor voltage measurement time, and judges for a circuit abnormality on the basis of a voltage of the capacitor measured at the capacitor voltage measurement time.

- 2. The capacitor discharge ignition device according to claim 1, wherein the circuit abnormality detecting means judges for a circuit abnormality by comparing the measured voltage of the capacitor with a preset judgment reference voltage.
- 3. The capacitor discharge ignition device according to claim 1, wherein judgment reference voltage is determined as corresponding to a rotation speed of the internal combustion engine.

- 4. The capacitor discharge ignition device according to claims 1, wherein the circuit abnormality detecting means measures a voltage of the capacitor at a prescribed time that is after the release of the charge from the capacitor to the ignition coils.
- 5. The capacitor discharge ignition device according to claims 1, wherein the circuit abnormality detecting means measures a voltage of the capacitor at a prescribed time that is before the release of the charge from the capacitor to the ignition coils.
- 6. The capacitor discharge ignition device according to claims 1, wherein the circuit abnormality detecting means receives a signal corresponding to the crank angle of the internal combustion engine, and measures a voltage of the capacitor upon receiving a pulse of the signal corresponding to the crank angle.